

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015987.D
 Acq On : 16 Oct 2023 16:16
 Operator : SY/MD
 Sample : 04898-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Oct 17 05:44:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	133065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	223070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	205238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102125	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	81506	53.670	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.340%
35) Dibromofluoromethane	7.728	113	73152	52.090	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.180%
50) Toluene-d8	10.185	98	263339	50.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.489	95	88755	47.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.780%

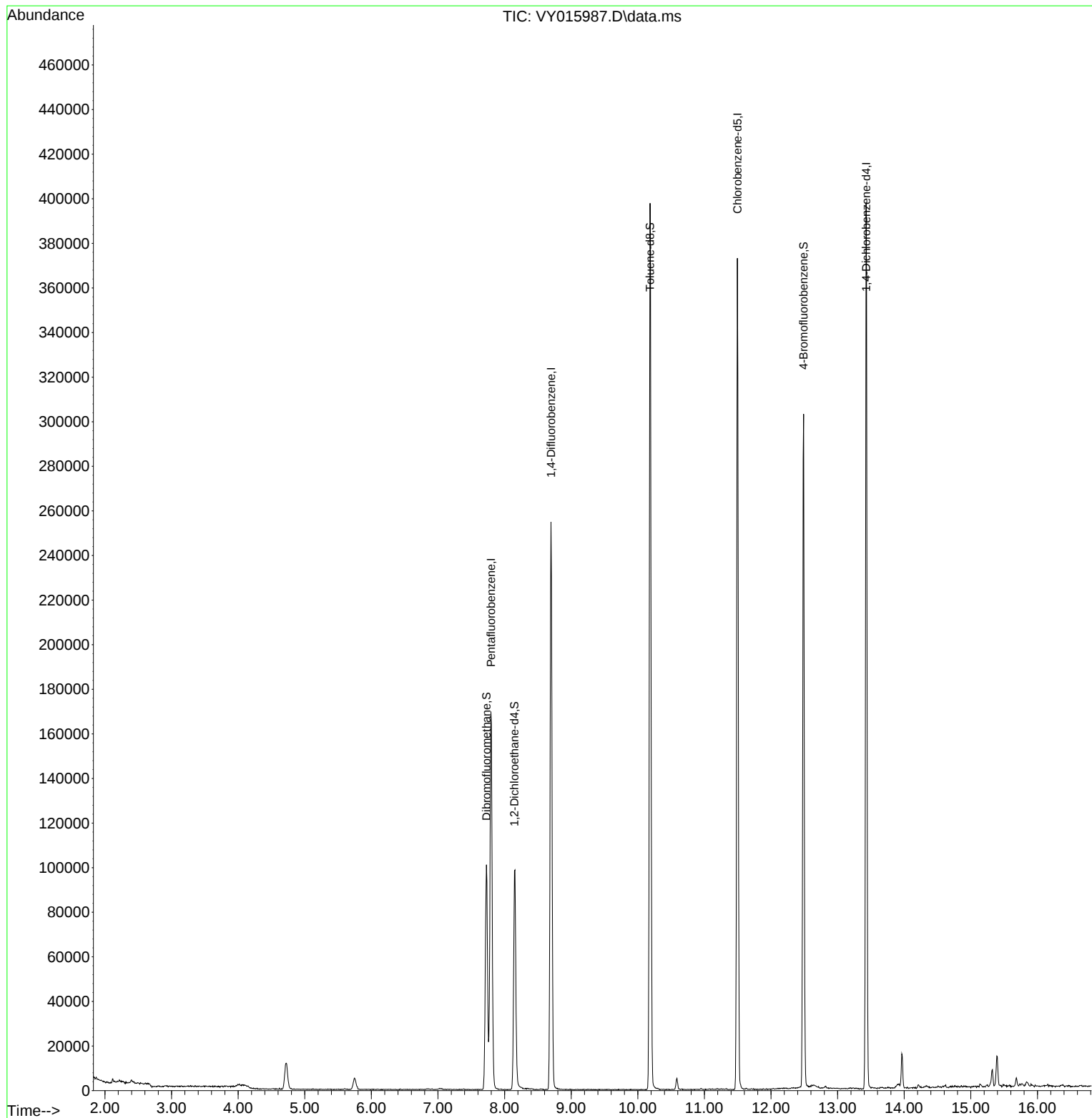
Target Compounds	Qvalue

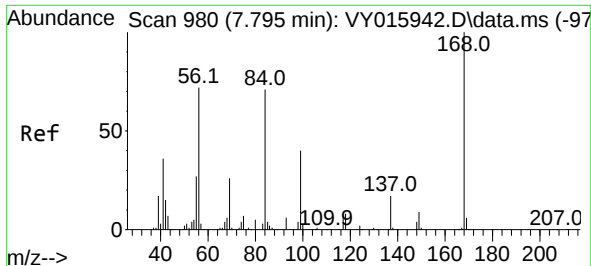
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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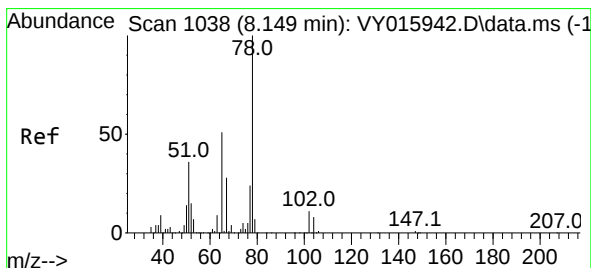
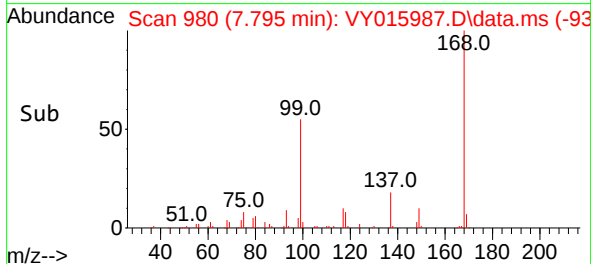
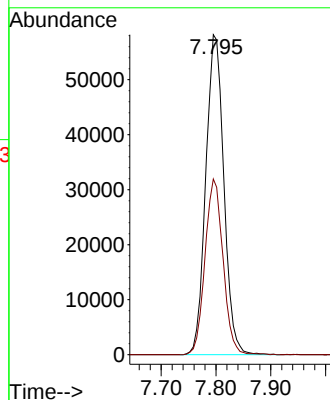
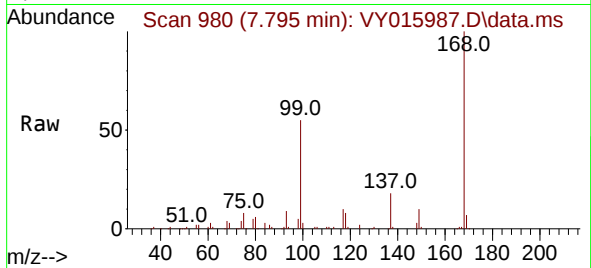




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

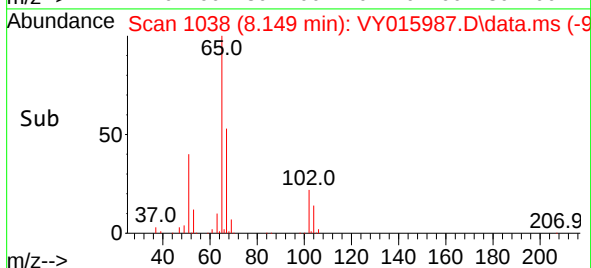
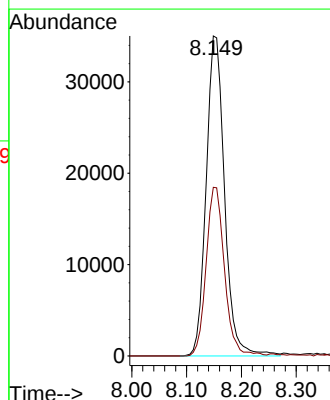
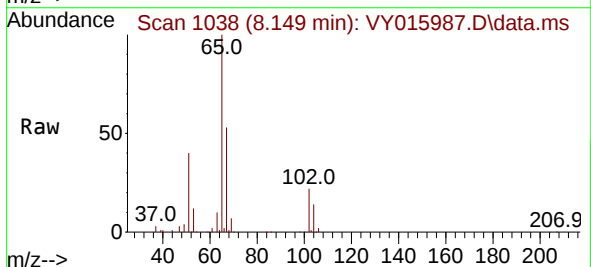
Instrument :
MSVOA_Y
ClientSampleId :
VOC

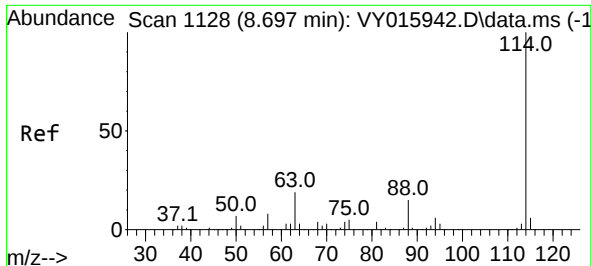
Tgt Ion:168 Resp: 133065
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 53.670 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

Tgt Ion: 65 Resp: 81506
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8

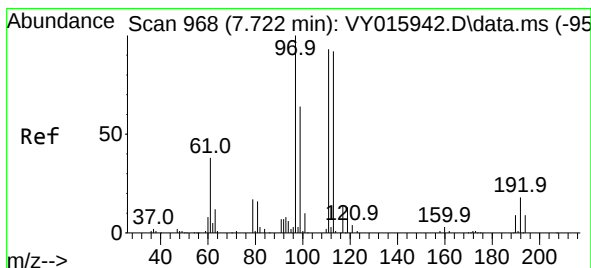
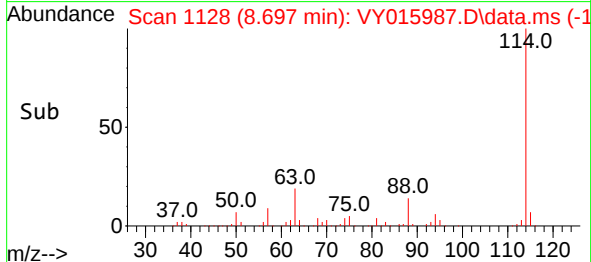
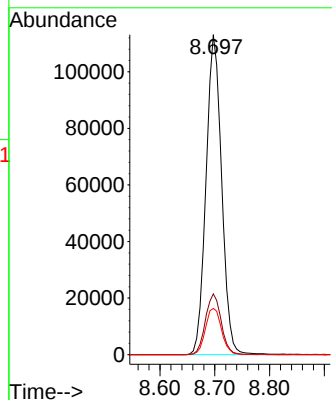
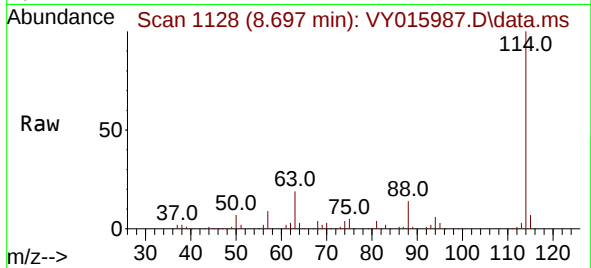




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

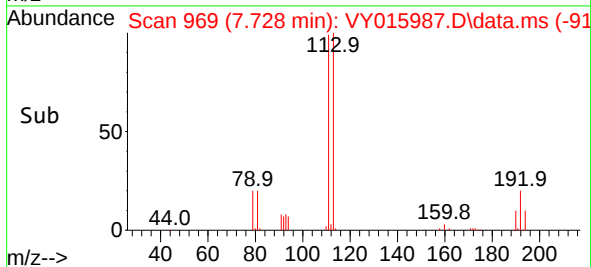
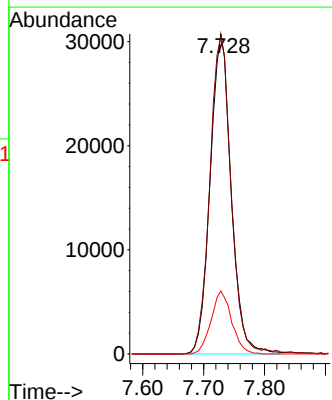
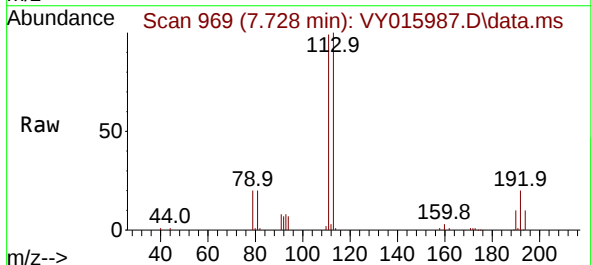
Instrument :
MSVOA_Y
ClientSampleId :
VOC

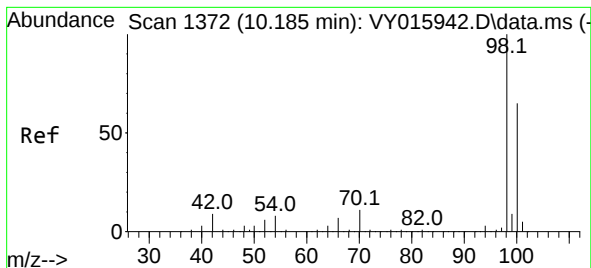
Tgt Ion:114 Resp: 223070
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.090 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

Tgt Ion:113 Resp: 73152
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.4 16.9 25.3





#50

Toluene-d8

Concen: 50.072 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015987.D

Acq: 16 Oct 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

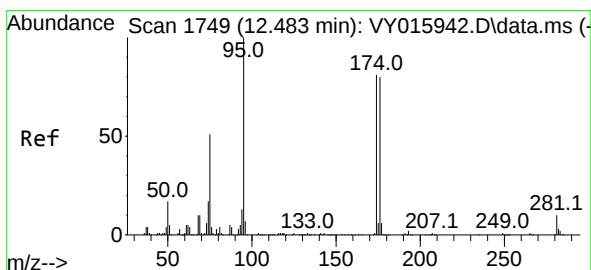
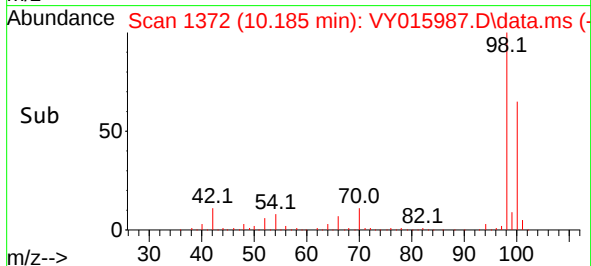
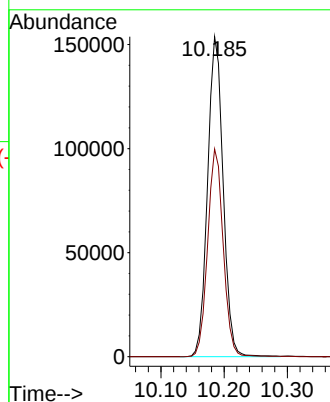
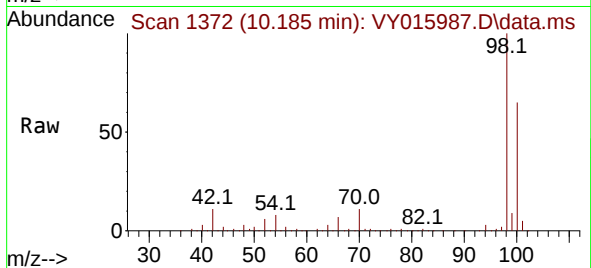
VOC

Tgt Ion: 98 Resp: 263339

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.394 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY015987.D

Acq: 16 Oct 2023 16:16

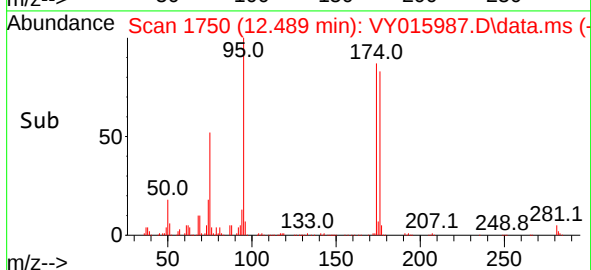
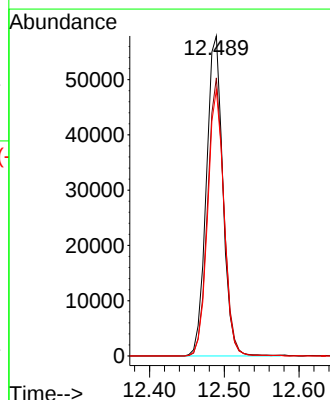
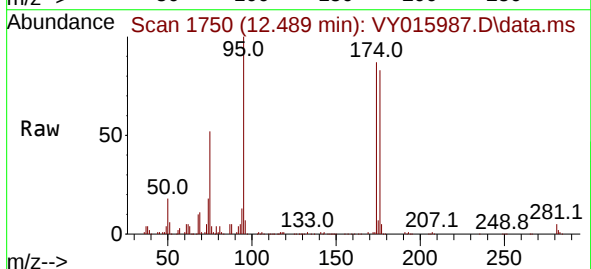
Tgt Ion: 95 Resp: 88755

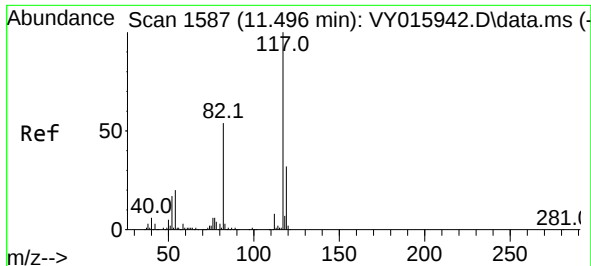
Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 82.3 0.0 173.8

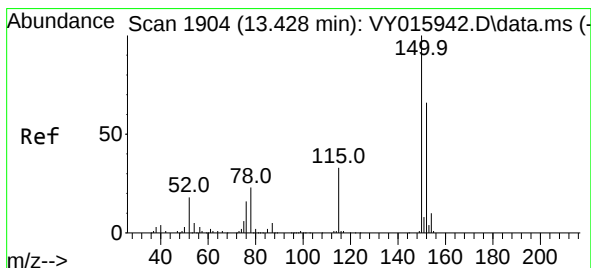
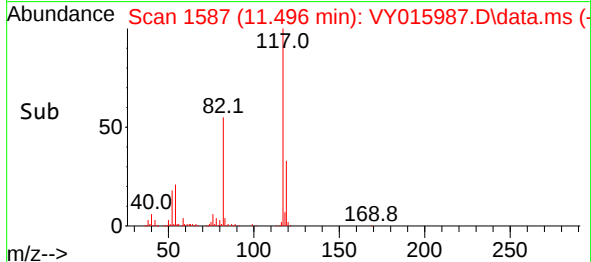
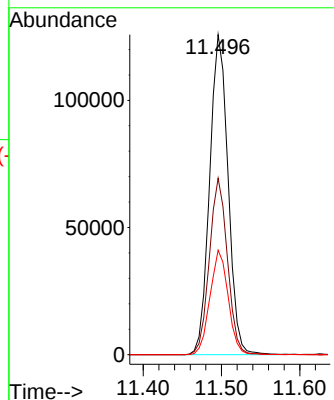
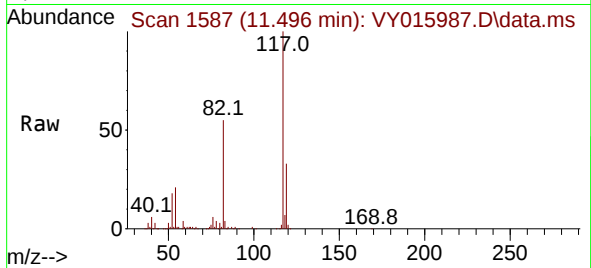




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 205238
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY015987.D
Acq: 16 Oct 2023 16:16

Tgt Ion:152 Resp: 102125
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 156.3 0.0 348.8

